56 for the eleventh embodiment. The memory 902, however, stores a driving object decision table 902a shown in FIG. 62. As shown in the figure, the driving object decision table 902a stores, for each of divided areas A1 to A5 on the touch panel 502, area data showing the divided area concerned using XY coordinates and identification information of an oscillatory actuator to be driven when that divided area is touched. Note that in the figure, reference numerals assigned to the oscillatory actuators 115a to 115d are used as the identification information of the oscillatory actuators.

[0365] According to the driving object decision table 902a, only the oscillatory actuator 115a is driven when the area A1 is touched on the touch panel 502 shown in FIG. 61. Further, all of the oscillatory actuators 115a to 115d are driven when the area A5 is touched on the touch panel 502.

[0366] In the case of detecting a touch operation on the touch panel 502, the CPU 904 detects the touched position and refers to the driving object decision table 902a to determine an oscillatory actuator(s) to be driven. Further, the CPU 904 drives the determined oscillatory actuator through the drive signal generation circuit 903 to cause the touch panel 502 and the liquid crystal display panel 501 to vibrate.

[0367] [L-2: Operation of Twelfth Embodiment]

[0368] FIG. 63 is a flow chart for explaining the operation of the vibration control processing 7 executed by the CPU 904 in an ATM according to this embodiment. The vibration control processing 7 is executed by the CPU 904 at every predetermined period in a period in which a touch operation on the touch panel 502 is permitted.

[0369] As shown in the figure, first, the CPU 904 determines whether a touch signal has been input from the touch panel 502 (step S801). When it is determined that a touch signal has not been input, the CPU 904 ends the vibration control processing 7. Further, when it is determined that a touch signal has been input, the CPU 904 identifies the touched position (XY coordinates) on the touch panel 502 based on the touch signal (step S802).

[0370] Next, the CPU 904 identifies the divided area in which the touched position is contained by referring to the driving object decision table 902a shown in FIG. 62 and determines an oscillatory actuator(s) to be driven (step S803). Next, the CPU 904 reads the waveform data of the drive signal for driving the determined oscillatory actuator(s) from the memory 902 (step S804). Further, the CPU 904 outputs the waveform data read from the memory 902 and the identification information of the oscillatory actuators determined at step S803 to the drive signal generation circuit 903. At the same time as this, the CPU 904 instructs the drive signal generation circuit 903 to generate a drive signal (step S805). Note that the processing in step S806 and the following steps are similar to the processing in step S104 and the following steps of the first vibration control processing explained in the first embodiment (see FIG. 5) except that only the designated oscillatory actuators among the plurality of oscillatory actuators 115a to 115d are driven, so explanations will be omitted.

[0371] As explained above, according to the present embodiment, the CPU 904 switches the oscillatory actuator(s) to be driven in accordance with a touched position on the touch panel 502. Therefore, the ATM can efficiently

drive the oscillatory actuators 115a to 115d in accordance with the touched position on the touch panel 502.

[0372] Note that in this embodiment, the area on the touch panel 502 was divided into a plurality of areas in advance and identification information of the oscillatory actuators to be driven when a divided area was touched is stored in the memory 902 for each divided area. It is however also possible, in the case of detecting a touch operation on the touch panel 502, to detect the touched position, calculate the distances between the touched position and the oscillatory actuators 115a to 115d, and drive the closest oscillatory actuator.

[0373] [M: Thirteenth Embodiment]

[0374] In this embodiment, a vibration generator suitable for use in the first to twelfth embodiments will be explained. Note that the oscillatory actuator in this embodiment is a movable permanent magnet type linear oscillatory actuator which uses a permanent magnet as the movable weight and causes the movable weight to linearly reciprocate by electromagnetic force so as to generate vibration.

[0375] [M-1: First Example]

[0376] FIG. 64 is a sectional view illustrating an internal structure of an oscillatory actuator 950 according to a first example of this embodiment. In the figure, the oscillatory actuator 950 has inside a case 961 a coil 962, a movable weight 963 (weight), a brake member 964, and a spring 966. Note that in the figure, the vibratory member to which the oscillatory actuator 950 gives vibration is provided at a position facing the coil 962 across the case 961. Further, the case 961 is sealed and functions as a magnetic shield. To give the function of a magnetic shield to the case 961, it is sufficient to form the case 961 by a conductive material and ground it or make it the same potential or form the case 961 by a magnetic material having a large permeability.

[0377] The coil 962 is a coil having a substantially cylindrical shape as shown in the figure and is fixed to the case 961. When driving the oscillatory actuator 950, an alternating current (drive signal) is applied to the coil 962.

[0378] The movable weight 963 is positioned above the coil 962, and is a substantially columnar weight formed of a permanent magnet. At the bottom surface of this movable weight 963 is formed an annular depression in which the top end of the coil 962 fits. The movable weight 963 is supported by the spring 966 in a state where it can linearly reciprocate in the vertical direction in the figure in the space formed inside the case 961. The spring 966, as shown in the figure, has one end connected to the case 961 in contact with the vibratory member (base member) and has the other end connected to the movable weight 963. Note that instead of the spring 966, it is also possible to use a support member comprised using an elastic body such as a rubber band.

[0379] When a drive signal is applied to the coil 962, this movable weight 963 linearly reciprocates in the vertical direction in the figure due to the magnetic force generated from the coil 962. Vibrational acceleration occurs at the portion of the case 961 to which the spring 966 is connected by a counter force of the reciprocation of the movable weight 963. Note that along with the reciprocation of the movable weight 963, the portion of the case 961 to which the spring 966 is connected is subject to a vibration component